

# Source Water Assessment Report



**Public Water Supply: SALINA, CITY OF**

**Assessment Areas Include:  
802, 803, 804**



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Reports were generated with the Automated Source Water Assessment Tool (ASWAT). Assessments were completed online using ASWAT by hundreds of state employees, public water supply staff, and technical assistant providers throughout the State of Kansas.

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# Report Description

## Detailed Explanation of Entire Report:

The 1996 amendments to the Safe Drinking Water Act require each state to develop a Source Water Assessment Program (SWAP) and a Source Water Assessment (SWA) for each Public Water Supply (PWS) that treats and distributes raw source water. In Kansas there are 761 public water supplies that require SWAs. A SWA includes a delineation of the source water assessment area, an inventory of potential contaminant sources, and a susceptibility analysis.

A PWS can consist of one or more individual assessment areas that require different assessments. In general, an assessment area is delineated at a two-mile fixed radius for a groundwater well. A surface water intake assessment area is the upstream-drainage area (watershed), inside the state border. Additionally, an assessment area can consist of an individual well, group of wells, an individual surface water intake, or multiple surface water intakes.

After each assessment is completed a report is automatically generated using an Internet-based application called the Automated Source Water Assessment Tool (ASWAT). The individual assessment reports combine to form the entire SWA report for a PWS.

A map of each Assessment Area was also generated with ASWAT. However, for security reasons the maps are not included in this report. To obtain a copy of the map(s), please contact your local PWS.

All PWS reports will be available for viewing and downloading on KDHE's Watershed Management Section website(<http://www.kdhe.state.ks.us/nps>) in 2004.

## SALINA, CITY OF Summary:

AA	Type	Diversion Id
802	Ground water multiple wells	015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016
803	Ground water multiple wells	105, 101, 102
804	Surface water single intake	999

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:07:23**

## **Executive Summary:**

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication – phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi-quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.

# Executive Summary

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Susceptibility Likelihood Scores for Assessment Area

Contaminant Category	A	B	B*	C	C*	D
Susceptibility Likelihood Score – SLS	<b>44</b>	<b>52</b>	<b>43</b>	<b>60</b>	<b>48</b>	<b>59</b>
SLS Range	Low	Mid	Low	Mid	Low	Mid

**A** – Microbiological

**B\*** – Nitrates

**C\*** – Pesticides

**B** – Inorganic Compounds

**C** – Synthetic Organic Compounds

**D** – Volatile Organic Compounds

## Susceptibility Likelihood Range

SLS Range	
<b>0–50</b>	<b>Low Susceptibility</b>
<b>51–80</b>	<b>Moderate Susceptibility</b>
<b>81–100</b>	<b>High Susceptibility</b>

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:07:23**

## Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a 100-foot radius around a groundwater well and a 1000-foot radius around a surface water intake. Zone B is a 2000-foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2-mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

# Potential Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
192774	Veterinary Services, Specialties	742	B
193539	Veterinary Services, Specialties	742	B
194556	Veterinary Services, Specialties	742	B
192775	Animal Specialty Services	752	B
193009	Single-family Housing Construction	1521	B
193085	Single-family Housing Construction	1521	B
193127	Single-family Housing Construction	1521	B
193260	Single-family Housing Construction	1521	B
193354	Single-family Housing Construction	1521	B
193402	Single-family Housing Construction	1521	B
193403	Single-family Housing Construction	1521	B
193477	Single-family Housing Construction	1521	B
193672	Single-family Housing Construction	1521	B
194163	Single-family Housing Construction	1521	B
194857	Single-family Housing Construction	1521	B
192946	Wood Kitchen Cabinets Manufacturing	2434	B
193753	Newspapers Publishing and Printing	2711	B
193663	Commercial Printing-Lithographic	2752	B

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
193664	Commercial Printing–Lithographic	2752	B
193668	Commercial Printing–Lithographic	2752	B
193708	Commercial Printing–Lithographic	2752	B
193790	Commercial Printing–Lithographic	2752	B
193709	Commercial Printing NEC	2759	B
194041	Commercial Printing NEC	2759	B
193080	Plastics products Manufacturing	3089	B
193054	Machinery, Except Electrical Manufacturing	3599	B
193074	Machinery, Except Electrical Manufacturing	3599	B
193355	Signs and Advertising Display Manufacturing	3993	B
193372	Signs and Advertising Display Manufacturing	3993	B
193053	Refuse Systems	4953	B
192749	Construction and Mining Machinery	5082	B
192834	Scrap and Waste Materials	5093	B
193252	Gasoline Service Station	5541	B
193782	Gasoline Service Station	5541	B
192836	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
193071	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B



## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
193305	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
193313	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
192847	Auto Truck Repair Service	7538	B
193457	Car Wash	7542	B
193088	Repair Services, Nec	7699	B
193314	Repair Services, Nec	7699	B
192578	General Farm, Primarily Crop	191	C
194770	Dairy Farms	241	C
193470	Veterinary Services, Specialties	742	C
194353	Veterinary Services, Specialties	742	C
194354	Veterinary Services, Specialties	742	C
194355	Veterinary Services, Specialties	742	C
194356	Veterinary Services, Specialties	742	C
194603	Veterinary Services, Specialties	742	C
194604	Veterinary Services, Specialties	742	C
195004	Veterinary Services, Specialties	742	C
193650	Animal Specialty Services	752	C
193903	Animal Specialty Services	752	C
192583	Single-family Housing Construction	1521	C
192584	Single-family Housing Construction	1521	C
192585	Single-family Housing Construction	1521	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
192586	Single-family Housing Construction	1521	C
192651	Single-family Housing Construction	1521	C
192739	Single-family Housing Construction	1521	C
193065	Single-family Housing Construction	1521	C
193294	Single-family Housing Construction	1521	C
193592	Single-family Housing Construction	1521	C
193629	Single-family Housing Construction	1521	C
193636	Single-family Housing Construction	1521	C
193769	Single-family Housing Construction	1521	C
193770	Single-family Housing Construction	1521	C
193996	Single-family Housing Construction	1521	C
194003	Single-family Housing Construction	1521	C
194159	Single-family Housing Construction	1521	C
194435	Single-family Housing Construction	1521	C
194762	Single-family Housing Construction	1521	C
194783	Single-family Housing Construction	1521	C
194831	Single-family Housing Construction	1521	C
195005	Single-family Housing Construction	1521	C
192587	Nonresidential Construction	1542	C
192712	Nonresidential Construction	1542	C
193611	Nonresidential Construction	1542	C
193895	Nonresidential Construction	1542	C
194449	Nonresidential Construction	1542	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194462	Nonresidential Construction	1542	C
194583	Nonresidential Construction	1542	C
194776	Nonresidential Construction	1542	C
192727	Highway and Street Construction	1611	C
192728	Highway and Street Construction	1611	C
192743	Highway and Street Construction	1611	C
193472	Highway and Street Construction	1611	C
194903	Highway and Street Construction	1611	C
195003	Highway and Street Construction	1611	C
195104	Highway and Street Construction	1611	C
192807	Bridge Construction	1622	C
192857	Wrecking and Demolition Work, Construction Demolition Landfill	1795	C
193630	Meat Packing Plant Manufacturing	2011	C
193429	Flour Mill and Other Food Grain Milling	2041	C
194476	Bakery Products Manufacturing	2052	C
195102	Animal and Marine Fats and Oils Manufacturing	2077	C
192758	Bottled and Canned Soft Drinks Production	2086	C
194928	Prefabricated Wood Buildings Manufacturing	2452	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
192729	Wood Office Furniture Manufacturing	2521	C
192723	Drapery Hardware and Blinds and Shades Manufacturing	2591	C
194442	Newspapers Publishing and Printing	2711	C
194817	Commercial Printing–Lithographic	2752	C
192854	Commercial Printing NEC	2759	C
193421	Commercial Printing NEC	2759	C
193426	Commercial Printing NEC	2759	C
194071	Commercial Printing NEC	2759	C
194234	Commercial Printing NEC	2759	C
194253	Commercial Printing NEC	2759	C
194287	Commercial Printing NEC	2759	C
194873	Industrial Inorganic Chemicals Manufacturing	2819	C
192959	Plastics Materials and Resins Manufacturing	2821	C
193110	Concrete Products Manufacturing	3272	C
192849	Sheet Metal Work Manufacturing	3444	C
194862	Farm Machinery and Equipment	3523	C
194863	Farm Machinery and Equipment	3523	C
194864	Farm Machinery and Equipment	3523	C
194865	Lawn and Garden Equipment Manufacturing	3524	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
192777	Conveyors and Conveying Equipment Manufacturing	3535	C
193591	Special Industries Machinery Manufacturing	3559	C
193051	Machinery, Except Electrical Manufacturing	3599	C
195097	Machinery, Except Electrical Manufacturing	3599	C
192769	Switchgear and Switchboard Apparatus Manufacturing	3613	C
194807	Travel trailers and Campers Manufacturing	3792	C
192750	Signs and Advertising Display Manufacturing	3993	C
193584	Signs and Advertising Display Manufacturing	3993	C
193897	Signs and Advertising Display Manufacturing	3993	C
194251	Signs and Advertising Display Manufacturing	3993	C
192598	Local Trucking, without Storage	4212	C
192726	Local Trucking, without Storage	4212	C
192960	Farm Product Warehousing and Storage	4221	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
193645	Refuse Systems	4953	C
193423	Recreational vehicle sales and repair	5012	C
194825	Recreational vehicle sales and repair	5012	C
192797	Construction and Mining Machinery	5082	C
192798	Construction and Mining Machinery	5082	C
193622	Construction and Mining Machinery	5082	C
194771	Scrap and Waste Materials	5093	C
195082	Scrap and Waste Materials	5093	C
193851	Gasoline Service Station	5541	C
193860	Gasoline Service Station	5541	C
193932	Gasoline Service Station	5541	C
193939	Gasoline Service Station	5541	C
194118	Gasoline Service Station	5541	C
194196	Gasoline Service Station	5541	C
194891	Gasoline Service Station	5541	C
194898	Gasoline Service Station	5541	C
194901	Gasoline Service Station	5541	C
192616	Mobile Home Park	6515	C
192776	Mobile Home Park	6515	C
193957	Mobile Home Park	6515	C
194221	Mobile Home Park	6515	C
194224	Mobile Home Park	6515	C
194363	Photofinishing Laboratory	7384	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194589	Photofinishing Laboratory	7384	C
192789	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
192837	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
192885	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
192921	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
193052	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
193063	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
193418	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
194784	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
194921	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
192574	Auto Truck Repair Service	7538	C
192697	Auto Truck Repair Service	7538	C
192718	Auto Truck Repair Service	7538	C
192719	Auto Truck Repair Service	7538	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
192720	Auto Truck Repair Service	7538	C
192721	Auto Truck Repair Service	7538	C
192734	Auto Truck Repair Service	7538	C
192751	Auto Truck Repair Service	7538	C
192766	Auto Truck Repair Service	7538	C
192781	Auto Truck Repair Service	7538	C
192796	Auto Truck Repair Service	7538	C
192801	Auto Truck Repair Service	7538	C
192802	Auto Truck Repair Service	7538	C
192823	Auto Truck Repair Service	7538	C
192831	Auto Truck Repair Service	7538	C
192838	Auto Truck Repair Service	7538	C
192850	Auto Truck Repair Service	7538	C
192956	Auto Truck Repair Service	7538	C
193123	Auto Truck Repair Service	7538	C
193337	Auto Truck Repair Service	7538	C
193775	Auto Truck Repair Service	7538	C
194421	Auto Truck Repair Service	7538	C
194779	Auto Truck Repair Service	7538	C
194792	Auto Truck Repair Service	7538	C
194805	Auto Truck Repair Service	7538	C
194810	Auto Truck Repair Service	7538	C
194822	Auto Truck Repair Service	7538	C



## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194867	Auto Truck Repair Service	7538	C
194896	Auto Truck Repair Service	7538	C
194902	Auto Truck Repair Service	7538	C
194915	Auto Truck Repair Service	7538	C
195011	Auto Truck Repair Service	7538	C
195012	Auto Truck Repair Service	7538	C
192704	Car Wash	7542	C
192832	Car Wash	7542	C
193119	Car Wash	7542	C
193861	Car Wash	7542	C
193874	Car Wash	7542	C
194526	Car Wash	7542	C
194908	Car Wash	7542	C
192628	Repair Services, Nec	7699	C
192735	Repair Services, Nec	7699	C
192765	Repair Services, Nec	7699	C
193101	Repair Services, Nec	7699	C
193275	Repair Services, Nec	7699	C
193979	Repair Services, Nec	7699	C
194158	Repair Services, Nec	7699	C
194186	Repair Services, Nec	7699	C
194211	Repair Services, Nec	7699	C
194223	Repair Services, Nec	7699	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194916	Repair Services, Nec	7699	C
194931	Repair Services, Nec	7699	C
193620	Golf Course	7992	C

## Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2002739	Farmers Ranchers Livestock	A-SASA-C003	C

## Regulated Hazardous Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources
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## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000010	This That Lamps Shades	00037	B
3000033	Us Postal Serv, Salina	00156	B
3000054	Coastal Mart #2520	00312	B
3000088	Amoco, East Iron (former)	01061	B

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000473	Usd 305, Salina, Maintenance	05878	B
3000506	Asbury Hospital	06134	B
3000534	Salina Reg Hlth Ctr	06264	B
3000721	Ashton's East	07063	B
3000785	Salina Service Center	07846	B
3000867	Sw Bell Telephone, Salina	08829	B
3000899	Salina, Central Garage	09067	B
3000902	Oakdale Park Shop	09071	B
3001128	Long Mcarthur Ford	17230	B
3001159	Food Services Of America	18477	B
3001462	Pit Stop 66	25445	B
3001463	Frank's 66 (cunningham)	25446	B
3001825	Sears Service Center	27079	B
3001848	Green Lantern #2	27152	B
3001930	Mccord Tire Co	27516	B
3002234	Pump Mart	29269	B
3002328	Wilson Constructors Warehouse	29688	B
3002349	Upr, Salina	29766	B
3002532	Pennington Chiropractic Center, Salina	80296	B
3002535	Horton, Thelma	80299	B
3002549	A D M Milling Co	80334	B
3002557	Firestone Service	80342	B
3002740	Images Inc	81389	B

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002823	Bus Depot, Former (vanier)	81618	B
3002871	Usd 305, Central High School	81772	B
3000006	Grease Monkey Of Salina	00018	C
3000084	South Side Service	01035	C
3000086	Kerr-mcgee #6705	01047	C
3000387	Aj Holmquist Excavating	04810	C
3000404	Pepsi Cola Bottling	04988	C
3000445	Bosselman Truck Plaza	05489	C
3000446	Payne Oil Co	05518	C
3000455	Farmers Coop Assn	05618	C
3000542	Bennett Autoplex, Former Bengstons	06304	C
3000543	Steves Service, Salina	06306	C
3000545	Moody Service	06317	C
3000598	Wonder Bread	06525	C
3000614	Brown Brown Shop	06562	C
3000633	Kwik Shop #739	06631	C
3000635	Kwik Shop #742	06633	C
3000656	Conoco, Bev's	06763	C
3000687	Ryder Truck Rental, Salina	06877	C
3000697	Town Country #41	06977	C
3000720	Taylor Mart #612	07061	C
3000766	Salina Presbyterian Manor	07595	C
3000796	Saline Co/city Bldg Auth	07897	C

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000843	Amoco, E Crawford	08725	C
3000859	Sinclair Marketing	08803	C
3000860	Sinclair Station	08804	C
3000900	Salina, Fire Station 1	09068	C
3000901	Saline Co Jail	09070	C
3000985	Channel Ridge 66	12638	C
3001088	Kerr-mcgee, I-70	15896	C
3001157	Ott Oil Co	18426	C
3001235	Waddell-cadillac-olds, Salina	22511	C
3001240	Warta Buick	22597	C
3001484	Cruce Produce	25544	C
3001519	Rounds And Porter	25738	C
3001532	Dels Alternater	25779	C
3001533	Conoco, Midway Usa	25780	C
3001534	Amoco, W Crawford	25781	C
3001582	Brown Welding Supply	26021	C
3001626	Diamond Transfer	26189	C
3001684	Pit Stop	26451	C
3001742	Kdot, Salina	26673	C
3001803	Lightner Welding Supply	26975	C
3001815	Ups, Salina	27047	C
3001821	Upr, Salina	27064	C
3001831	Research Chemical Co	27087	C

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001832	Saline Valley Terminal	27088	C
3001851	Power Vac	27157	C
3001908	National Guard Armory	27440	C
3001949	Salina Transit	27591	C
3002006	Weis American	28043	C
3002009	Frontier Tire Auto	28048	C
3002063	Camper Center	28343	C
3002064	Self Images Beauty Shop	28350	C
3002065	Carol Lee Donuts	28352	C
3002104	Tire Quest (former Kwik Lube?)	28597	C
3002165	Ranger's Steakhouse	28909	C
3002182	Abandoned Station	29001	C
3002185	Rainbo Bread Store	29016	C
3002279	Mid State Mall, Former Walmart	29451	C
3002303	Long John Silvers	29586	C
3002325	Coastal Mart #7300	29681	C
3002348	Hawk Vending/uprr	29765	C
3002358	Watson Auto Body Works	29807	C
3002460	Koch Materials, Asphalt Plant	70011	C
3002531	Payne Oil	80295	C
3002533	Quality Detail Shop	80297	C
3002534	Reimold Properties	80298	C
3002536	Sharp Auto Sales	80300	C

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002537	Sign Shop	80301	C
3002538	Sparkle Car Wash	80304	C
3002539	Turbine Specialties, Salina	80305	C
3002540	Walthens Oil	80306	C
3002542	Ross, Woodrow	80308	C
3002550	Koetting, B J	80335	C
3002551	Brown Industries	80336	C
3002552	Bud's Plumbing	80337	C
3002554	Salina, Water Plant	80339	C
3002555	Cornucopia	80340	C
3002561	Kdot Distr 2, Salina	80347	C
3002562	Marymount College	80349	C
3002643	Thomas Ostenberg	81156	C
3002754	Holiday Conoco (former)	81428	C
3002774	Richardson Storage	81473	C
3002779	Suburban Tv Appliance Ctr	81485	C
3002784	Hardee's Restaurant	81495	C
3002820	Crough Salvage Service	81608	C
3002844	Western Auto #47217	81688	C

## Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000837	WATER TREATMENT PLANT (WTP) – SALINA	C508500037	B

## Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000841	SALINA PWS WELL #11	C508503004	B
7000843	SALINA NORTH	C508503010	B
7000844	SALINA NORTH	C508503010	B
7000847	FMGP – SALINA	C508570037	B
7000853	WEST SOUTH STREET	C508570204	B
7000854	EXPRESS CLEANERS	C508570354	B
7000858	ELM FRONT STREETS	C508570919	B
7000971	SALINA – PINE 7TH	C508571572	B
7000842	DEWEY AVENUE SITE (MCSHARES, INC.)	C508503007	C
7000848	TURBINE SPECIALTIES, INC.	C508570051	C
7000856	FAST ONE-HOUR CLEANERS	C508570370	C
7000857	AGREX, INC.	C508570888	C
7000859	LINCOLN AVE 8TH STREET	C508571100	C

## Regulated Solid Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources
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## Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000213	REMA BAKEWARE	I-SH33-CO06	B



## Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6001753	SALINA (MAIN PLANT)	M-SH33-IO01	C
6001754	SALINA (MAIN PLANT)	M-SH33-IO01	C
6001755	SALINA (MAIN PLANT)	M-SH33-IO01	C
6001756	SALINA (MAIN PLANT)	M-SH33-IO01	C

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
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## **Added Sources:**

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

# Added Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9000095	Printing Company	10061	B
9000096	City of Salina	4953	C

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## **Potential Contaminants Summary:**

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number of sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.

# Potential Contaminants Summary

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Pesticides	IOC's	SOC's	VOC's	Nitrates
60	4	156	51	115	46

**A** – Microbiological

**B\*** – Nitrates

**C\*** – Pesticides

**B** – Inorganic Compounds

**C** – Synthetic Organic Compounds

**D** – Volatile Organic Compounds

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
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## Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

**A** – Microbiological    **B** – Inorganic Compounds                      **B1** – Eutrophication – Phosphorous  
**B2** – Sedimentation    **B\*** – Nitrates    **C** – Synthetic Organic Compounds  
**C\*** – Pesticides            **D** – Volatile Organic Compounds

# Potential Contaminants Listing

Public Water Supply: SALINA, CITY OF  
Assessment Area: 802

## Unregulated Identified Site Sources and associated Potential Contaminant Category

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2077	Animal and Marine Fats and Oils Manufacturing	BOD, oil and grease, TSS	A
"	"	"	B
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
2052	Bakery Products Manufacturing	BOD,oil and grease, TSS	A
"	"	"	B
2086	Bottled and Canned Soft Drinks Production	BOD	A
1622	Bridge Construction	Sedimentation	B2
7542	Car Wash	Inorganics, VOCs	B
"	"	"	B1
"	"	"	B2
"	"	"	D
3272	Concrete Products Manufacturing	Minerals and TSS	B
5082	Construction and Mining Machinery	NA	NA
3535	Conveyors and Conveying Equipment Manufacturing	inorganics, VOCs	B
"	"	"	D
2591	Drapery Hardware and Blinds and Shades Manufacturing	VOCs	D

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2041	Flour Mill and Other Food Grain Milling	BOD, TSS	A
"	"	"	B
5541	Gasoline Service Station	Inorganics, VOCs	B
"	"	"	D
7992	Golf Course	Fertilizers and pesticides	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
1611	Highway and Street Construction	Sedimentation	B2
2819	Industrial Inorganic Chemicals Manufacturing	metals, solvents	B
"	"	"	D
3524	Lawn and Garden Equipment Manufacturing	inorganics, VOCs	B
"	"	"	D
4212	Local Trucking, without Storage	VOCs	D
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	B
"	"	"	D
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	A
"	"	"	B*



## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
6515	Mobile Home Park	Sanitary wastes, Fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B*
1542	Nonresidential Construction	Sedimentation	B2
7384	Photofinishing Laboratory	NA	B
"	"	"	D
2821	Plastics Materials and Resins Manufacturing	Solvents, plasticizers, VOCs	D
3089	Plastics products Manufacturing	inorganics, VOCs	B
"	"	"	D
2452	Prefabricated Wood Buildings Manufacturing	TSS	B
"	"	"	D
5093	Scrap and Waste Materials	Metals, TSS	B
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	B
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	B
"	"	"	D
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	B*
"	"	"	C
3559	Special Industries Machinery Manufacturing	inorganics, VOCs	B
"	"	"	D
3613	Switchgear and Switchboard Apparatus Manufacturing	inorganics, VOCs	B
"	"	"	D
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	B
"	"	"	D
3792	Travel trailers and Campers Manufacturing	inorganics, VOCs	B
"	"	"	D
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	A
"	"	"	B
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	B
"	"	"	D
2521	Wood Office Furniture Manufacturing	TSS, VOCs	B
"	"	"	D
1795	Wrecking and Demolition Work, Construction Demolition Landfill	TSS, could contain metals	B1
"	"	"	B2
752	Animal Specialty Services	Sanitary, fertilizers	A

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
752	Animal Specialty Services	Sanitary, fertilizers	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
2752	Commercial Printing–Lithographic	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
241	Dairy Farms	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
3523	Farm Machinery and Equipment	inorganics	B
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
191	General Farm, Primarily Crop	fertilizers, Pesticides	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
5012	Recreational vehicle sales and repair	Inorganics	B
4953	Refuse Systems	ALL	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
"	"	"	C*
"	"	"	D
7699	Repair Services, Nec	inorganics	B

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## **Protection Measures:**

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

# Protection Measures

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2077	Animal and Marine Fats and Oils Manufacturing	BOD, oil and grease, TSS	Wastewater pretreatment and/or discharge to a POTW. Grounds maintenance and cleanup. Fat traps on sewer lines.	40 CFR 122 and State or federal Storm water pollution prevention regulations
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
2052	Bakery Products Manufacturing	BOD,oil and grease, TSS	Wastewater pretreatment and/or discharge to a POTW. Grounds maintenance and cleanup.	40 CFR 122 and State or federal Storm water pollution prevention regulations
2086	Bottled and Canned Soft Drinks Production	BOD	Wastewater pretreatment and/or discharge to a POTW.	40 CFR 407 and State or federal Storm water pollution prevention regulations
1622	Bridge Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
7542	Car Wash	Inorganics, VOCs	Install and maintain sediment and grease traps where appropriate	40 CFR 442

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
3272	Concrete Products Manufacturing	Minerals and TSS	Minimize outdoor storage and control storm water runoff.	State or federal Storm water pollution prevention regulations
5082	Construction and Mining Machinery	NA	Discharge to POTW	NA
3535	Conveyors and Conveying Equipment Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
2591	Drapery Hardware and Blinds and Shades Manufacturing	VOCs	Discharge of process waters to POTW.	State or federal Storm water pollution prevention regulations
2041	Flour Mill and Other Food Grain Milling	BOD, TSS	Wastewater pretreatment and/or discharge to a POTW	40 CFR 122 and State or federal Storm water pollution prevention regulations
5541	Gasoline Service Station	Inorganics, VOCs	Maintain area to minimize fuel contamination	NA

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7992	Golf Course	Fertilizers and pesticides	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals.	KDHE, KAR 28–16
1611	Highway and Street Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
2819	Industrial Inorganic Chemicals Manufacturing	metals, solvents	Recycle chemical wastes where possible.	40 CFR 415 and State or federal Storm water pollution prevention regulations
3524	Lawn and Garden Equipment Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
4212	Local Trucking, without Storage	VOCs	Discharge to a POTW	State or federal Storm water pollution prevention regulations
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations



## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	Wastewater pretreatment and/or discharge to a POTW	40CFR 432 and State or federal Storm water pollution prevention regulations
6515	Mobile Home Park	Sanitary wastes, Fertilizers	Discharge to POTW. Minimize use of lawn chemicals	KAR 28–5
1542	Nonresidential Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
7384	Photofinishing Laboratory	NA	Discharge to POTW. Recycle chemicals	CFR 40 459
2821	Plastics Materials and Resins Manufacturing	Solvents, plasticizers, VOCs	Discharge process water to POTW	40 CFR 424 and State or federal Storm water pollution prevention regulations
3089	Plastics products Manufacturing	inorganics, VOCs	Pre–treat wastewater prior to discharge. Minimize outdoor storage and control storm water runoff.	40 CFR 463 and State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2452	Prefabricated Wood Buildings Manufacturing	TSS	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations
5093	Scrap and Waste Materials	Metals, TSS	Minimize contact with storm water	State or federal Storm water pollution prevention regulations
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 464 and State or federal Storm water pollution prevention regulations
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 459 and State or federal Storm water pollution prevention regulations
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28-48, KDHE, KDEM
3559	Special Industries Machinery Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
3613	Switchgear and Switchboard Apparatus Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	Discharge to POTW. Recycle where appropriate. Properly maintain oil product and waste. Manage paint and solvent wastes properly	NA
3792	Travel trailers and Campers Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	Discharge to POT	NA
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations
2521	Wood Office Furniture Manufacturing	TSS, VOCs	Discharge of process waters to POTW.	State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1795	Wrecking and Demolition Work, Construction Demolition Landfill	TSS, could contain metals	Erosion control and proper waste management, Proper cover and runoff containment for the fill area	40CFR Part 122 Storm Water Construction Permitting and KDHE Storm Water Pollution Prevention Rules, 40 CFR 445 and Solid Waste Permitting rules, Storm Water Permitting rules
752	Animal Specialty Services	Sanitary, fertilizers	Collect and treat wastes.	NA
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
2752	Commercial Printing–Lithographic	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
241	Dairy Farms	Sanitary, fertilizers	Collect and treat process wastes. Use good erosion control practices. Minimize storm water contact with contaminants.	40 CFR 405
3523	Farm Machinery and Equipment	inorganics	Discharge to POTW	State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
191	General Farm, Primarily Crop	fertilizers, Pesticides	Maintain good erosion control practices and minimize the use of chemicals	NA
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
5012	Recreational vehicle sales and repair	Inorganics	Discharge to a POTW. Store oils and lubricants properly	NA
4953	Refuse Systems	ALL	Store wastes properly in order to minimize contact with storm water.	Maintain the lagoon or storage vessel properly. Control storm water run on and runoff to minimize contamination of storm water
7699	Repair Services, Nec	inorganics	Discharge to POTW	NA

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## **Assessment Analysis:**

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.

# Assessment Analysis

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Ground Water Multiple Wells Analysis

**A** – Microbiological    **B** – Inorganic Compounds  
**B\*** – Nitrates            **C** – Synthetic Organic Compounds  
**C\*** – Pesticides        **D** – Volatile Organic Compounds

No.	Question	Response	A	B	B*	C	C*	D
1	Is any well under the influence of surface water?	No	0	0	0	0	0	0
2	Do all PWS wells meet KS PWS water well construction standards?	Yes	0	0	0	0	0	0
3	Is any well less than 30 feet deep?	No	0	0	0	0	0	0
4	Is gravel pack within 20 feet of any well surface?	No	0	0	0	0	0	0
5	Does a PWS own or control all the areas around the wells?	No	1	1	1	1	1	1
6	Does Zone B consist entirely of native grass?	No	2	2	2	2	2	2
7	Is there a contaminated well in Zone B?	Yes	1	1	1	1	1	1
8	Is a class V UIC well present?	No	0	0	0	0	0	0
9	Are any commercial, industrial, or urban areas present in Zone B?	Yes	1	1	1	1	1	1
10	Does each industrial/commercial site and urban area have a water quality protection plan in place?	No	1	1	1	1	1	1
11	Are any non-farm home sites present in Zone B?	Yes	1	0	1	0	1	0
12	Do all the non-farm home sites have a water quality protection plan?	No	1	0	1	0	1	0
13	Are any farmsteads present in Zone B?	No	0	0	0	0	0	0
14	Do all farmsteads have a water quality protection plan?	Yes	0	0	0	0	0	0
15	Is there grazing livestock in Zone B?	No	0	0	0	0	0	0
16	Have all livestock producers implemented water quality protection measures?	Yes	0	0	0	0	0	0
17	Is there livestock confinement in Zone B?	No	0	0	0	0	0	0

No.	Question	Response	A	B	B*	C	C*	D
18	Is each confined animal feeding operation registered with KDHE?	Yes	0	0	0	0	0	0
19	Is there corn or grain sorghum production in Zone B?	No	0	0	0	0	0	0
20	Are corn/grain sorghum nutrient and pesticide management plans in use for each site?	Yes	0	0	0	0	0	0
21	Are any orchards present in Zone B?	No	0	0	0	0	0	0
22	Are orchard nutrient and pesticide management plans in use for each site?	Yes	0	0	0	0	0	0
23	Are there unsewered developments (concentrations of lagoons or septic systems) present in Zone B?	No	0	0	0	0	0	0
24	Is there a railroad or major highway in Zone B or C?	Yes	0	1	1	1	1	1
25	Is there oil production in Zone B or C?	Yes	0	1	0	1	0	1
26	Do coarse textured soils predominate Zones A, B and C?	No	0	0	0	0	0	0
27	Is an irrigation well located in Zone B or C?	Yes	0	1	1	1	1	1
28	Is a wastewater treatment facility in Zone B or C?	Yes	1	1	1	1	1	1
29	Is a solid waste landfill in Zone B or C?	No	0	0	0	0	0	0
30	Are there unplugged, abandoned water wells present in Zone C?	No	0	0	0	0	0	0
31	Are any commercial, industrial, or urban area present in Zone C?	Yes	1	1	1	1	1	1
32	Does each industrial/commercial site and urban area have a water quality protection plan in place?	No	1	1	1	1	1	1
33	Is there livestock confinement in Zone C?	Yes	1	1	1	1	1	0
34	Is each confined livestock facility registered with KDHE?	Yes	0	0	0	0	0	0
35	Do all the livestock producers have water quality protection measures in place?	Yes	0	0	0	0	0	0
36	Are cropland nutrient management plans in place?	Yes	0	0	0	0	0	0
37	Are cropland pesticide management plans in place?	Yes	0	0	0	0	0	0
38	Does a perennial stream flow into Zone C?	Yes	1	1	1	1	1	1
39	Are watershed water quality protection plans in place?	No	1	1	1	1	1	1



Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:07:23**

## **Site Comments:**

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

# Site Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Comments for Unregulated Sites

Potential Contaminant Site No.	Site Comments	Author
193539	Replaced former Vet. Clinic	James Wendell
193539	This facility is now a print shop.	James Wendell

## Comments for Regulated Confined Animal Feeding Operations Sites

Did Not Receive Any Comments
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## Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments
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## Comments for Regulated Leaking Storage Tank Sites

Did Not Receive Any Comments
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## Comments for Regulated Identified Contaminated Sites

Did Not Receive Any Comments
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## Comments for Regulated Solid Waste Sites

Did Not Receive Any Comments
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## Comments for Regulated Waste Water Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
REMA BAKEWARE	6000213	Facility in now medical clinic.	James Wendell

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:07:23**

### **Added Site Comments:**

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.

# Added Site Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
City of Salina	9000096	Not on existing list.	James Wendell
City of Salina	9000096	Not on existing list.	James Wendell
City of Salina	9000096	This is a Household Hazardous Waste Site.	James Wendell
Printing Company	9000095	Change of facility use. Not listed in existing potential contamination sources.	James Wendell

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**  
Diversion Id's: **015, 011, 008, 006, 002, 004, 005, 001, 003, 007, 010, 013, 014, 012, 016**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:07:23**

## **Analysis Question Comments:**

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

# Analysis Question Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **802**

## Comments for Analysis Questions

Analysis Question	Question Comments	Author
Does each industrial/commercial site and urban area have a water quality protection plan in place?	Unknown	James Wendell
Are watershed water quality protection plans in place?	Unknown	James Wendell

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:10:07**

## **Executive Summary:**

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication – phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi-quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.



# Executive Summary

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Susceptibility Likelihood Scores for Assessment Area

Contaminant Category	A	B	B*	C	C*	D
Susceptibility Likelihood Score – SLS	<b>35</b>	<b>42</b>	<b>40</b>	<b>48</b>	<b>45</b>	<b>46</b>
SLS Range	Low	Low	Low	Low	Low	Low

**A** – Microbiological

**B\*** – Nitrates

**C\*** – Pesticides

**B** – Inorganic Compounds

**C** – Synthetic Organic Compounds

**D** – Volatile Organic Compounds

## Susceptibility Likelihood Range

SLS Range	
<b>0–50</b>	<b>Low Susceptibility</b>
<b>51–80</b>	<b>Moderate Susceptibility</b>
<b>81–100</b>	<b>High Susceptibility</b>

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:10:07**

## Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a 100-foot radius around a groundwater well and a 1000-foot radius around a surface water intake. Zone B is a 2000-foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2-mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

# Potential Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194960	Animal Specialty Services	752	B
194958	Rock Quarry	1429	C
194685	Single-family Housing Construction	1521	C
194941	Single-family Housing Construction	1521	C
194947	Single-family Housing Construction	1521	C
194973	Single-family Housing Construction	1521	C
194986	Highway and Street Construction	1611	C
194937	Bottled and Canned Soft Drinks Production	2086	C
194968	Wood Kitchen Cabinets Manufacturing	2434	C
194686	Commercial Printing NEC	2759	C
194962	Gray Iron Foundry	3321	C
194951	Sheet Metal Work Manufacturing	3444	C
194965	Construction Machinery Manufacturing	3531	C
194933	Electric Lamps Manufacturing	3641	C
194936	Storage Batteries Manufacturing	3691	C
194956	Truck and Bus Bodies Manufacturing	3713	C
192688	Signs and Advertising Display Manufacturing	3993	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194688	Local Trucking, without Storage	4212	C
194966	Farm Product Warehousing and Storage	4221	C
194955	Construction and Mining Machinery	5082	C
194681	Farm and Garden Machinery	5083	C
194939	Farm and Garden Machinery	5083	C
193412	Mobile Home Park	6515	C
194943	Auto Truck Repair Service	7538	C
194616	Repair Services, Nec	7699	C
194672	Repair Services, Nec	7699	C
194707	Repair Services, Nec	7699	C

## Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001466	Isaacson, Vaughn	A-SHSA-BA01	C

## Regulated Hazardous Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources
---

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001068	Penske Truck Leasing	15423	C

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001084	Conklin Cars	15821	C
3001380	Stevens Contractors	24539	C
3001481	Eldorado Bus Co	25529	C
3001643	Western Auto #95678a	26274	C
3001777	Coleman American Moving Service	26862	C
3002078	AttFiber Equip Bldg	28449	C
3002553	Case Power Equip	80338	C
3002556	Crestwood, Inc.	80341	C
3002563	Mid State Mall, Former Montgomery Wards	80350	C

## Regulated Identified Contaminated Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

## Regulated Solid Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

## Regulated Waste Water Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:10:07**

## **Added Sources:**

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

# Added Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001525	rural residences	0	B
9001526	cropland	115	B

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:10:07**

## **Potential Contaminants Summary:**

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number of sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.



# Potential Contaminants Summary

Public Water Supply: SALINA, CITY OF  
Assessment Area: 803

## Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Pesticides	IOC's	SOC's	VOC's	Nitrates
7	0	18	5	10	6

A – Microbiological

B\* – Nitrates

C\* – Pesticides

B – Inorganic Compounds

C – Synthetic Organic Compounds

D – Volatile Organic Compounds

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:10:07**

## Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

<b>A</b> – Microbiological	<b>B</b> – Inorganic Compounds	<b>B1</b> – Eutrophication – Phosphorous
<b>B2</b> – Sedimentation	<b>B*</b> – Nitrates	<b>C</b> – Synthetic Organic Compounds
<b>C*</b> – Pesticides	<b>D</b> – Volatile Organic Compounds	

# Potential Contaminants Listing

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Unregulated Identified Site Sources and associated Potential Contaminant Category

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
2086	Bottled and Canned Soft Drinks Production	BOD	A
3531	Construction Machinery Manufacturing	inorganics, VOCs	B
"	"	"	D
5082	Construction and Mining Machinery	NA	NA
3641	Electric Lamps Manufacturing	inorganics, VOCs	B
"	"	"	D
3321	Gray Iron Foundry	Minerals, metals, and TSS	B
1611	Highway and Street Construction	Sedimentation	B2
4212	Local Trucking, without Storage	VOCs	D
6515	Mobile Home Park	Sanitary wastes, Fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B*
1429	Rock Quarry	Sedimentation	B2
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	B

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	B
"	"	"	D
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
3691	Storage Batteries Manufacturing	Inorganics, caustics, VOCs	B
"	"	"	D
3713	Truck and Bus Bodies Manufacturing	inorganics, VOCs	B
"	"	"	D
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	B
"	"	"	D
752	Animal Specialty Services	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	B

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	C
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D
5083	Farm and Garden Machinery	inorganics	B
7699	Repair Services, Nec	inorganics	B

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
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## **Protection Measures:**

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

# Protection Measures

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
2086	Bottled and Canned Soft Drinks Production	BOD	Wastewater pretreatment and/or discharge to a POTW.	40 CFR 407 and State or federal Storm water pollution prevention regulations
3531	Construction Machinery Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
5082	Construction and Mining Machinery	NA	Discharge to POTW	NA
3641	Electric Lamps Manufacturing	inorganics, VOCs	40 CFR 469	State or federal Storm water pollution prevention regulations
3321	Gray Iron Foundry	Minerals, metals, and TSS	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 420 and State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1611	Highway and Street Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
4212	Local Trucking, without Storage	VOCs	Discharge to a POTW	State or federal Storm water pollution prevention regulations
6515	Mobile Home Park	Sanitary wastes, Fertilizers	Discharge to POTW. Minimize use of lawn chemicals	KAR 28–5
1429	Rock Quarry	Sedimentation	Erosion and Sediment Control	KAR 28–16
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 464 and State or federal Storm water pollution prevention regulations
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 459 and State or federal Storm water pollution prevention regulations



## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28-48, KDHE, KDEM
3691	Storage Batteries Manufacturing	Inorganics, caustics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct. Minimize outdoor storage	40 CFR 461 and State or federal Storm water pollution prevention regulations
3713	Truck and Bus Bodies Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 464 and State or federal Storm water pollution prevention regulations
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations
752	Animal Specialty Services	Sanitary, fertilizers	Collect and treat wastes.	NA
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
5083	Farm and Garden Machinery	inorganics	Discharge to POTW	NA
7699	Repair Services, Nec	inorganics	Discharge to POTW	NA

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
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## **Assessment Analysis:**

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.

# Assessment Analysis

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Ground Water Multiple Wells Analysis

**A** – Microbiological    **B** – Inorganic Compounds  
**B\*** – Nitrates            **C** – Synthetic Organic Compounds  
**C\*** – Pesticides        **D** – Volatile Organic Compounds

No.	Question	Response	A	B	B*	C	C*	D
1	Is any well under the influence of surface water?	No	0	0	0	0	0	0
2	Do all PWS wells meet KS PWS water well construction standards?	Yes	0	0	0	0	0	0
3	Is any well less than 30 feet deep?	No	0	0	0	0	0	0
4	Is gravel pack within 20 feet of any well surface?	No	0	0	0	0	0	0
5	Does a PWS own or control all the areas around the wells?	No	1	1	1	1	1	1
6	Does Zone B consist entirely of native grass?	No	2	2	2	2	2	2
7	Is there a contaminated well in Zone B?	No	0	0	0	0	0	0
8	Is a class V UIC well present?	No	0	0	0	0	0	0
9	Are any commercial, industrial, or urban areas present in Zone B?	No	0	0	0	0	0	0
10	Does each industrial/commercial site and urban area have a water quality protection plan in place?	Yes	0	0	0	0	0	0
11	Are any non-farm home sites present in Zone B?	Yes	1	0	1	0	1	0
12	Do all the non-farm home sites have a water quality protection plan?	No	1	0	1	0	1	0
13	Are any farmsteads present in Zone B?	Yes	1	1	1	1	1	1
14	Do all farmsteads have a water quality protection plan?	No	1	1	1	1	1	1
15	Is there grazing livestock in Zone B?	No	0	0	0	0	0	0
16	Have all livestock producers implemented water quality protection measures?	Yes	0	0	0	0	0	0
17	Is there livestock confinement in Zone B?	No	0	0	0	0	0	0

No.	Question	Response	A	B	B*	C	C*	D
18	Is each confined animal feeding operation registered with KDHE?	Yes	0	0	0	0	0	0
19	Is there corn or grain sorghum production in Zone B?	Yes	0	0	1	0	1	0
20	Are corn/grain sorghum nutrient and pesticide management plans in use for each site?	No	0	0	1	0	1	0
21	Are any orchards present in Zone B?	No	0	0	0	0	0	0
22	Are orchard nutrient and pesticide management plans in use for each site?	Yes	0	0	0	0	0	0
23	Are there unsewered developments (concentrations of lagoons or septic systems) present in Zone B?	No	0	0	0	0	0	0
24	Is there a railroad or major highway in Zone B or C?	Yes	0	1	1	1	1	1
25	Is there oil production in Zone B or C?	Yes	0	1	0	1	0	1
26	Do coarse textured soils predominate Zones A, B and C?	No	0	0	0	0	0	0
27	Is an irrigation well located in Zone B or C?	Yes	0	1	1	1	1	1
28	Is a wastewater treatment facility in Zone B or C?	No	0	0	0	0	0	0
29	Is a solid waste landfill in Zone B or C?	No	0	0	0	0	0	0
30	Are there unplugged, abandoned water wells present in Zone C?	No	0	0	0	0	0	0
31	Are any commercial, industrial, or urban area present in Zone C?	Yes	1	1	1	1	1	1
32	Does each industrial/commercial site and urban area have a water quality protection plan in place?	No	1	1	1	1	1	1
33	Is there livestock confinement in Zone C?	Yes	1	1	1	1	1	0
34	Is each confined livestock facility registered with KDHE?	Yes	0	0	0	0	0	0
35	Do all the livestock producers have water quality protection measures in place?	Yes	0	0	0	0	0	0
36	Are cropland nutrient management plans in place?	Yes	0	0	0	0	0	0
37	Are cropland pesticide management plans in place?	Yes	0	0	0	0	0	0
38	Does a perennial stream flow into Zone C?	Yes	1	1	1	1	1	1
39	Are watershed water quality protection plans in place?	Yes	0	0	0	0	0	0

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
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## **Site Comments:**

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

# Site Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Comments for Unregulated Sites

Did Not Receive Any Comments

## Comments for Regulated Confined Animal Feeding Operations Sites

Did Not Receive Any Comments

## Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments

## Comments for Regulated Leaking Storage Tank Sites

Did Not Receive Any Comments

## Comments for Regulated Identified Contaminated Sites

Did Not Receive Any Comments

## Comments for Regulated Solid Waste Sites

Did Not Receive Any Comments

## Comments for Regulated Waste Water Sites

Did Not Receive Any Comments
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Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
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### **Added Site Comments:**

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.

# Added Site Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
cropland	9001526	This site could contaminate the public water supply.	Nicole Fisher
rural residences	9001525	This site could contaminate the public water supply.	Nicole Fisher

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**  
Diversion Id's: **105, 101, 102**  
Status: **Accepted**  
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## **Analysis Question Comments:**

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

# Analysis Question Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **803**

## Comments for Analysis Questions

Analysis Question	Question Comments	Author
Is there corn or grain sorghum production in Zone B?	unknown	James Wendell
Does each industrial/commercial site and urban area have a water quality protection plan in place?	Unknown	James Wendell
Are corn/grain sorghum nutrient and pesticide management plans in use for each site?	Unknown	James Wendell

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
Diversion Id's: **999**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:12:36**

## **Executive Summary:**

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication – phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi-quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.

# Executive Summary

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Susceptibility Likelihood Scores for Assessment Area

	<b>A</b>	<b>B</b>	<b>B1</b>	<b>B2</b>	<b>C</b>	<b>C*</b>	<b>D</b>
Susceptibility Likelihood Score – SLS	<b>52</b>	<b>52</b>	<b>71</b>	<b>77</b>	<b>56</b>	<b>51</b>	<b>54</b>
SLS Range	<b>Mid</b>	<b>Mid</b>	<b>Mid</b>	<b>Mid</b>	<b>Mid</b>	<b>Low</b>	<b>Mid</b>

**A** – Microbiological

**B2** – Sedimentation

**C\*** – Pesticides

**B** – Inorganic Compounds

**C** – Synthetic Organic Compounds

**D** – Volatile Organic Compounds

**B1** – Eutrophication – Phosphorous

## Susceptibility Likelihood Range

SLS Range	
<b>0–50</b>	<b>Low Susceptibility</b>
<b>51–80</b>	<b>Moderate Susceptibility</b>
<b>81–100</b>	<b>High Susceptibility</b>

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
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Status: **Accepted**  
Submit Date: **2003-01-31 09:12:36**

## Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a 100-foot radius around a groundwater well and a 1000-foot radius around a surface water intake. Zone B is a 2000-foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2-mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

# Potential Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
195687	General Farm, Primarily Crop	191	B
193539	Veterinary Services, Specialties	742	B
198026	Veterinary Services, Specialties	742	B
194960	Animal Specialty Services	752	B
195713	Animal Specialty Services	752	B
194958	Rock Quarry	1429	B
193592	Single-family Housing Construction	1521	B
194453	Single-family Housing Construction	1521	B
194831	Single-family Housing Construction	1521	B
195690	Single-family Housing Construction	1521	B
194449	Nonresidential Construction	1542	B
195691	Nonresidential Construction	1542	B
199014	Nonresidential Construction	1542	B
198980	Newspapers Publishing and Printing	2711	B
198004	Plastics products Manufacturing	3089	B
195707	Machinery, Except Electrical Manufacturing	3599	B
198033	Machinery, Except Electrical Manufacturing	3599	B



## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194966	Farm Product Warehousing and Storage	4221	B
195692	Farm Product Warehousing and Storage	4221	B
197153	Farm Product Warehousing and Storage	4221	B
197961	Farm Product Warehousing and Storage	4221	B
198978	Farm Product Warehousing and Storage	4221	B
194118	Gasoline Service Station	5541	B
195695	Mobile Home Park	6515	B
197976	Photofinishing Laboratory	7384	B
198010	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
198025	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
197997	Auto Truck Repair Service	7538	B
198011	Auto Truck Repair Service	7538	B
198992	Auto Truck Repair Service	7538	B
195720	Repair Services, Nec	7699	B
195701	General Farm, Primarily Crop	191	C
195703	General Farm, Primarily Crop	191	C
197156	Cattle Farm	211	C
194353	Veterinary Services, Specialties	742	C
194354	Veterinary Services, Specialties	742	C
194355	Veterinary Services, Specialties	742	C
194356	Veterinary Services, Specialties	742	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194556	Veterinary Services, Specialties	742	C
194603	Veterinary Services, Specialties	742	C
194604	Veterinary Services, Specialties	742	C
195702	Veterinary Services, Specialties	742	C
197870	Animal Specialty Services	752	C
194159	Single-family Housing Construction	1521	C
194163	Single-family Housing Construction	1521	C
194435	Single-family Housing Construction	1521	C
194685	Single-family Housing Construction	1521	C
194762	Single-family Housing Construction	1521	C
194941	Single-family Housing Construction	1521	C
194947	Single-family Housing Construction	1521	C
195688	Single-family Housing Construction	1521	C
195689	Single-family Housing Construction	1521	C
195715	Single-family Housing Construction	1521	C
197152	Single-family Housing Construction	1521	C
197940	Single-family Housing Construction	1521	C
197941	Single-family Housing Construction	1521	C
198039	Single-family Housing Construction	1521	C
194583	Nonresidential Construction	1542	C
194986	Highway and Street Construction	1611	C
194476	Bakery Products Manufacturing	2052	C
194937	Bottled and Canned Soft Drinks Production	2086	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194968	Wood Kitchen Cabinets Manufacturing	2434	C
193753	Newspapers Publishing and Printing	2711	C
193663	Commercial Printing–Lithographic	2752	C
193664	Commercial Printing–Lithographic	2752	C
193668	Commercial Printing–Lithographic	2752	C
193790	Commercial Printing–Lithographic	2752	C
197873	Commercial Printing–Lithographic	2752	C
194041	Commercial Printing NEC	2759	C
194071	Commercial Printing NEC	2759	C
194234	Commercial Printing NEC	2759	C
194253	Commercial Printing NEC	2759	C
194287	Commercial Printing NEC	2759	C
194686	Commercial Printing NEC	2759	C
197874	Commercial Printing NEC	2759	C
197905	Commercial Printing NEC	2759	C
195711	Concrete Products Manufacturing	3272	C
195712	Concrete Products Manufacturing	3272	C
194962	Gray Iron Foundry	3321	C
194951	Sheet Metal Work Manufacturing	3444	C
194965	Construction Machinery Manufacturing	3531	C
198044	Machinery, Except Electrical Manufacturing	3599	C
194933	Electric Lamps Manufacturing	3641	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194936	Storage Batteries Manufacturing	3691	C
194956	Truck and Bus Bodies Manufacturing	3713	C
194251	Signs and Advertising Display Manufacturing	3993	C
194688	Local Trucking, without Storage	4212	C
195704	Farm Product Warehousing and Storage	4221	C
198031	Farm Product Warehousing and Storage	4221	C
194955	Construction and Mining Machinery	5082	C
194681	Farm and Garden Machinery	5083	C
194939	Farm and Garden Machinery	5083	C
198949	Scrap and Waste Materials	5093	C
193782	Gasoline Service Station	5541	C
194196	Gasoline Service Station	5541	C
198021	Recreational vehicle sales and repair	5561	C
193412	Mobile Home Park	6515	C
195708	Recreational Vehicle Parks and Campsites	7033	C
194363	Photofinishing Laboratory	7384	C
194589	Photofinishing Laboratory	7384	C
194943	Auto Truck Repair Service	7538	C
197887	Auto Truck Repair Service	7538	C
199004	Auto Truck Repair Service	7538	C
193457	Car Wash	7542	C

## Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
194526	Car Wash	7542	C
197868	Car Wash	7542	C
194158	Repair Services, Nec	7699	C
194186	Repair Services, Nec	7699	C
194211	Repair Services, Nec	7699	C
194616	Repair Services, Nec	7699	C
194672	Repair Services, Nec	7699	C
198037	Repair Services, Nec	7699	C
197853	Golf Course	7992	C
198029	Golf Course	7992	C

## Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000091	River Bend Farm	A-SHMP-BA05	B
2000147	Ruud, Karl	A-SHMP-BA08	B
2000367	Heimer Bros.	A-SHSA-M003	B
2000609	Johnson, Clayton N.	A-SHSA-BA17	B
2000745	Odell, Ronald	A-SHMP-S001	B
2000844	Elvin, Clifford O	A-SHMP-BA02	B
2001032	Forsberg Bros. Dairy	A-SHSA-M001	B
2001067	Douglas Dairy	A-SHSA-M006	B

## Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001194	Cox, Fred, Jr.	A-SHSA-B006	B
2001584	National Bank Of America	A-SASA-BA01	B
2001844	Train, Paul And Emory	A-SHMP-BA01	B
2001929	Short, John "Chris"	A-SHSA-B003	B
2001942	Swenson Son (Kenner Swenson)	A-SHSA-B007	B
2002202	Toll Farms	A-SHMP-B004	B
2002723	Crumbaker Pork L.l.c.	A-SASA-H001	B
2002813	Smoky Hill Feedlot	A-SASA-C001	B
2000505	Wohletz, Gary	A-SHEW-MA01	C
2000587	D/j Farms	A-SAMP-BA01	C
2000659	Fuller, Brian	A-SHMP-M004	C
2000887	Shields, Dennis	A-SHMP-BA03	C
2000949	Johnson, Marvin	A-SHMP-BA07	C
2000950	Norberg Feedlot	A-SASA-BA10	C
2000952	Johnson, Bernard B.	A-SHSA-B008	C
2000990	Johnson, Loren R.	A-SHSA-S004	C
2001089	Lundquist, Clinton E	A-SHMP-BA09	C
2001466	Isaacson, Vaughn	A-SHSA-BA01	C
2001493	Tillberg, Eldon	A-SASA-BA12	C
2001520	Roe, Steve	A-SHSA-BA05	C
2001550	Oleen Cattle Co	A-SASA-BA13	C
2001569	Shields, Dennis	A-SHMP-BA04	C
2002093	Shogren, Brad	A-SHMP-B003	C

## Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2002311	Clemence, Jon M.	A-SHMP-B002	C
2002698	Summit Producers	A-SHMP-H001	C
2002842	Mcperson County Feeders	A-SHMP-C001	C

## Regulated Hazardous Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources
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## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000274	Petersen Oil	03285	B
3000311	Smolan Oil Co.	03844	B
3000843	Amoco, E Crawford	08725	B
3001434	Builder Inc	25253	B
3001596	Dala Mart	26083	B
3001638	Kanopolis Lake	26259	B
3002104	Tire Quest (former Kwik Lube?)	28597	B
3002303	Long John Silvers	29586	B
3002322	Mid Kansas Coop, Lindsborg	29663	B
3002325	Coastal Mart #7300	29681	B

## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002676	Hi-quality Lo-cost	81256	B
3000054	Coastal Mart #2520	00312	C
3000087	Moracial Hardware Fuel	01059	C
3000116	Apco, Swanson's Service	01408	C
3000289	Mid Kansas Coop, Lindsborg	03564	C
3000473	Usd 305, Salina, Maintenance	05878	C
3000490	Usd 400, Lindsborg Smokey Valley H.s.	05971	C
3000506	Asbury Hospital	06134	C
3000633	Kwik Shop #739	06631	C
3000635	Kwik Shop #742	06633	C
3000656	Conoco, Bev's	06763	C
3000720	Taylor Mart #612	07061	C
3000721	Ashton's East	07063	C
3000765	White Cross Health	07593	C
3000785	Salina Service Center	07846	C
3000826	Collingwood Grain, Marquette (westside)	08643	C
3000859	Sinclair Marketing	08803	C
3000902	Oakdale Park Shop	09071	C
3001068	Penske Truck Leasing	15423	C
3001084	Conklin Cars	15821	C
3001235	Waddell-cadillac-olds, Salina	22511	C
3001240	Warta Buick	22597	C
3001380	Stevens Contractors	24539	C



## Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001463	Frank's 66 (cunningham)	25446	C
3001481	Eldorado Bus Co	25529	C
3001643	Western Auto #95678a	26274	C
3001684	Pit Stop	26451	C
3001777	Coleman American Moving Service	26862	C
3001825	Sears Service Center	27079	C
3001829	Stress Cast, Assaria	27085	C
3001930	Mccord Tire Co	27516	C
3002078	AttFiber Equip Bldg	28449	C
3002182	Abandoned Station	29001	C
3002279	Mid State Mall, Former Walmart	29451	C
3002526	Morrison Pork	80285	C
3002531	Payne Oil	80295	C
3002534	Reimold Properties	80298	C
3002535	Horton, Thelma	80299	C
3002553	Case Power Equip	80338	C
3002556	Crestwood, Inc.	80341	C
3002563	Mid State Mall, Former Montgomery Wards	80350	C
3002779	Suburban Tv Appliance Ctr	81485	C
3002844	Western Auto #47217	81688	C
3002871	Usd 305, Central High School	81772	C

## Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000782	COLUMBIA INDUSTRIES, INC., LINDSBORG	C505900009	B

## Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000788	MCPHERSON COUNTY LANDFILL–CHROMIC ACID DRUMS	C505900354	C
7000792	SCHILLING ATLAS S–5	C505970097	C
7000796	MCDANIELS PRIVATE WELL	C505971143	C
7000836	SALINA CITY LANDFILL	C508500036	C
7000837	WATER TREATMENT PLANT (WTP) – SALINA	C508500037	C
7000853	WEST SOUTH STREET	C508570204	C
7000854	EXPRESS CLEANERS	C508570354	C
7000856	FAST ONE–HOUR CLEANERS	C508570370	C

## Regulated Solid Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
5000709	City of Lindsborg	0688–S	B
5000088	McPherson Area Solid Waste Utility	0126–S	C
5000119	City of Salina	0144–S	C
5000656	McPherson SW Authority	0645–S	C
5000752	City of Salina	0731–S	C
5000784	City of Lindsborg	0758–S	C

## Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000485	STUCKEY'S DAIRY QUEEN – STORE #363	C–SH21–NO01	B

## Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6001374	KDOT. MCPHERSON REST AREA	M-LA11-OO02	B
6001698	ASSARIA	M-SH02-OO01	B
6001740	LINDSBORG MWTP	M-SH21-OO01	B
6001741	LINDSBORG MWTP	M-SH21-OO01	B
6001758	SMOLAN MWTP	M-SH36-NO01	B
6001775	FALUN IMPROVEMENT DISTRICT	M-SH51-NO01	B
6001745	MARQUETTE	M-SH25-OO01	C

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
Diversion Id's: **999**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:12:36**

## **Added Sources:**

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

**Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.**

# Added Sources

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9000286	sand pit	0	B
9001525	rural residences	0	B
9001666	001	0	B
9001527	Fuel, grain and feed and hay storage	10026	B
9001663	Fuel, grain and feed and hay storage	10026	B
9001665	Fuel, grain and feed and hay storage	10026	B
9000288	abandoned water well	10028	B
9000095	Printing Company	10061	B
9000305	on-site wastewater facility	10067	B
9000309	on-site wastewater facility	10067	B
9001668	discharging lagoons	10075	B
9000287	pastureland with cattle	10080	B
9000291	pastureland with cattle	10080	B
9000307	pastureland with cattle	10080	B
9000289	milo field	10081	B
9000290	alfalfa field	10086	B
9001674	pastureland	10087	B
9000282	irrigated and dryland cropland	111	B
9000285	irrigated and dryland cropland	115	B
9000308	irrigated and dryland cropland	115	B

## Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001526	cropland	115	B
9001664	cropland	115	B
9000306	grain storage bins	4221	B
9001400	mobile home court	4952	B
9000272	irrigated and dryland cropland	10081	C
9000310	small animal feedlot	2048	C

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
Diversion Id's: **999**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:12:36**

## **Potential Contaminants Summary:**

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number of sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.

# Potential Contaminants Summary

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Sedimentation	Pesticides	IOC's	SOC's	VOC's	E – P
39	36	7	85	33	50	33

**A** – Microbiological

**B2** – Sedimentation

**C\*** – Pesticides

**B** – Inorganic Compounds

**C** – Synthetic Organic Compounds

**D** – Volatile Organic Compounds

**B1** – Eutrophication – Phosphorous



Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
Diversion Id's: **999**  
Status: **Accepted**  
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## Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

**A** – Microbiological    **B** – Inorganic Compounds                      **B1** – Eutrophication – Phosphorous  
**B2** – Sedimentation    **B\*** – Nitrates    **C** – Synthetic Organic Compounds  
**C\*** – Pesticides            **D** – Volatile Organic Compounds

# Potential Contaminants Listing

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Unregulated Identified Site Sources and associated Potential Contaminant Category

<b>SIC ID</b>	<b>SIC Source</b>	<b>Potential Contaminant</b>	<b>Contaminant Category</b>
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
2052	Bakery Products Manufacturing	BOD,oil and grease, TSS	A
"	"	"	B
2086	Bottled and Canned Soft Drinks Production	BOD	A
7542	Car Wash	Inorganics, VOCs	B
"	"	"	B1
"	"	"	B2
"	"	"	D
211	Cattle Farm	Sanitary, Fertilizers TSS, pesticides, Erosion and sedimentation	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
3272	Concrete Products Manufacturing	Minerals and TSS	B
3531	Construction Machinery Manufacturing	inorganics, VOCs	B

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
3531	Construction Machinery Manufacturing	inorganics, VOCs	D
5082	Construction and Mining Machinery	NA	NA
3641	Electric Lamps Manufacturing	inorganics, VOCs	B
"	"	"	D
5541	Gasoline Service Station	Inorganics, VOCs	B
"	"	"	D
7992	Golf Course	Fertilizers and pesticides	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
3321	Gray Iron Foundry	Minerals, metals, and TSS	B
1611	Highway and Street Construction	Sedimentation	B2
4212	Local Trucking, without Storage	VOCs	D
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	B
"	"	"	D
6515	Mobile Home Park	Sanitary wastes, Fertilizers	A
"	"	"	B
"	"	"	B1

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
6515	Mobile Home Park	Sanitary wastes, Fertilizers	B*
1542	Nonresidential Construction	Sedimentation	B2
7384	Photofinishing Laboratory	NA	B
"	"	"	D
3089	Plastics products Manufacturing	inorganics, VOCs	B
"	"	"	D
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	A
"	"	"	B
"	"	"	B1
"	"	"	B*
"	"	"	C*
1429	Rock Quarry	Sedimentation	B2
5093	Scrap and Waste Materials	Metals, TSS	B
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	B
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	B
"	"	"	D
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	B*
"	"	"	C
3691	Storage Batteries Manufacturing	Inorganics, caustics, VOCs	B
"	"	"	D
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	B
"	"	"	D
3713	Truck and Bus Bodies Manufacturing	inorganics, VOCs	B
"	"	"	D
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	A
"	"	"	B
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	B
"	"	"	D
752	Animal Specialty Services	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	B
"	"	"	C

## Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	D
2752	Commercial Printing–Lithographic	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D
5083	Farm and Garden Machinery	inorganics	B
191	General Farm, Primarily Crop	fertilizers, Pesticides	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
5561	Recreational vehicle sales and repair	Inorganics	B
7699	Repair Services, Nec	inorganics	B

Public Water Supply: **SALINA, CITY OF**  
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## **Protection Measures:**

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

# Protection Measures

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
2052	Bakery Products Manufacturing	BOD,oil and grease, TSS	Wastewater pretreatment and/or discharge to a POTW. Grounds maintenance and cleanup.	40 CFR 122 and State or federal Storm water pollution prevention regulations
2086	Bottled and Canned Soft Drinks Production	BOD	Wastewater pretreatment and/or discharge to a POTW.	40 CFR 407 and State or federal Storm water pollution prevention regulations
7542	Car Wash	Inorganics, VOCs	Install and maintain sediment and grease traps where appropriate	40 CFR 442
211	Cattle Farm	Sanitary, Fertilizers TSS, pesticides, Erosion and sedimentation	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals. Maintain riparian areas along waterways and keep cattle out of these areas. Proper Waste Management and Grazing Management.	KDHE–Livestock Waste Management Section, KAR 28–16, KDA, County Soil Conservation District, NRCS
3272	Concrete Products Manufacturing	Minerals and TSS	Minimize outdoor storage and control storm water runoff.	State or federal Storm water pollution prevention regulations





## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
3531	Construction Machinery Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
5082	Construction and Mining Machinery	NA	Discharge to POTW	NA
3641	Electric Lamps Manufacturing	inorganics, VOCs	40 CFR 469	State or federal Storm water pollution prevention regulations
5541	Gasoline Service Station	Inorganics, VOCs	Maintain area to minimize fuel contamination	NA
7992	Golf Course	Fertilizers and pesticides	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals.	KDHE, KAR 28–16
3321	Gray Iron Foundry	Minerals, metals, and TSS	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 420 and State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1611	Highway and Street Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
4212	Local Trucking, without Storage	VOCs	Discharge to a POTW	State or federal Storm water pollution prevention regulations
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
6515	Mobile Home Park	Sanitary wastes, Fertilizers	Discharge to POTW. Minimize use of lawn chemicals	KAR 28–5
1542	Nonresidential Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
7384	Photofinishing Laboratory	NA	Discharge to POTW. Recycle chemicals	CFR 40 459

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
3089	Plastics products Manufacturing	inorganics, VOCs	Pre-treat wastewater prior to discharge. Minimize outdoor storage and control storm water runoff.	40 CFR 463 and State or federal Storm water pollution prevention regulations
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	Discharge to POTW. Minimize use of lawn chemicals	NA
1429	Rock Quarry	Sedimentation	Erosion and Sediment Control	KAR 28-16
5093	Scrap and Waste Materials	Metals, TSS	Minimize contact with storm water	State or federal Storm water pollution prevention regulations
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 464 and State or federal Storm water pollution prevention regulations
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 459 and State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28-48, KDHE, KDEM
3691	Storage Batteries Manufacturing	Inorganics, caustics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct. Minimize outdoor storage	40 CFR 461 and State or federal Storm water pollution prevention regulations
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	Discharge to POTW. Recycle where appropriate. Properly maintain oil product and waste. Manage paint and solvent wastes properly	NA
3713	Truck and Bus Bodies Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 464 and State or federal Storm water pollution prevention regulations
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	Discharge to POT	NA
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
752	Animal Specialty Services	Sanitary, fertilizers	Collect and treat wastes.	NA
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
2752	Commercial Printing—Lithographic	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
5083	Farm and Garden Machinery	inorganics	Discharge to POTW	NA
191	General Farm, Primarily Crop	fertilizers, Pesticides	Maintain good erosion control practices and minimize the use of chemicals	NA

## Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
5561	Recreational vehicle sales and repair	Inorganics	Discharge to a POTW. Store oils and lubricants properly	Discharge to a POTW. Store oils and lubricants properly
7699	Repair Services, Nec	inorganics	Discharge to POTW	NA

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## **Assessment Analysis:**

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.



# Assessment Analysis

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Surface Water Single Well Analysis

**A** – Microbiological    **B** – Inorganic Compounds

**B1** – Eutrophication – Phosphorous

**B2** – Sedimentation    **C** – Synthetic Organic Compounds

**C\*** – Pesticides        **D** – Volatile Organic Compounds

No.	Question	Response	A	B	B1	B2	C	C*	D
1	Is the intake located at a treatment plant?	No	1	1	0	0	1	1	1
2	Is there an open channel conveyance from the intake to the treatment plant?	No	0	0	0	0	0	0	0
3	Does a PWS own or control the conveyance right-of-way?	Yes	0	0	0	0	0	0	0
4	Does a PWS own or control the area within 1/4 mile of intake?	No	1	1	0	0	1	1	1
5	Is the area within 1/4 mile of the intake entirely native grass?	No	1	1	0	0	1	1	1
6	Is transportation infrastructure in close proximity to the intake?	No	0	0	0	0	0	0	0
7	Are there water quality protection plans for the transportation infrastructure?	Yes	0	0	0	0	0	0	0
8	Are any commercial, industrial, or urban areas present?	No	0	0	0	0	0	0	0
9	Does each industrial/commercial site and urban area have a water quality protection plan in place?	Yes	0	0	0	0	0	0	0
10	Is riparian area vegetated?	Yes	0	0	0	0	0	0	0
11	Has riparian area been farmed up to the stream/riverbank?	No	0	0	0	0	0	0	0
12	Is there a lack of native grass or trees?	No	0	0	0	0	0	1	0
13	Is livestock use present in riparian area?	No	0	0	0	0	0	0	0
14	Are any confined livestock production sites in riparian area?	No	0	0	0	0	0	0	0
15	Is each confinement area registered with KDHE?	Yes	0	0	0	0	0	0	0
16	Are any row crops (corn, milo, soybean) present?	No	0	0	0	0	0	0	0
17	Are water quality protection plans in use for each cropland?	Yes	0	0	0	0	0	0	0

No.	Question	Response	A	B	B1	B2	C	C*	D
18	Are any orchards present?	No	0	0	0	0	0	0	0
19	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
20	Is the intake a river intake?	Yes	1	1	0	1	1	1	1
21	Is the intake at a city-owned lake?	No	1	1	1	1	1	1	1
22	Is there water quality monitoring conducted at the river or lake?	Yes	0	0	0	0	0	0	0
23	Is TMDL needed for any of the rivers or lakes?	Yes	1	1	1	1	1	1	1
24	Are TMDL pollutants of concern reported by monitoring?	No	1	1	1	1	1	1	1
25	Are any point source discharges within 16 miles upstream of intake?	Yes	1	1	1	1	1	0	1
26	Is pretreatment required at any of the point sources?	No	0	0	0	0	0	0	0
27	Are all riparian buffers vegetated?	No	1	1	1	1	0	1	0
28	Are vegetated riparian buffer and a water quality protection plans in place?	Yes	0	0	0	0	0	0	0
29	Is there urbanized land within riparian buffer?	Yes	1	1	1	1	1	1	1
30	Is a NPDES stormwater permit required for the urbanized areas?	No	1	1	1	1	1	1	1
31	Are voluntary water quality protection plans in place for each urbanized area?	No	1	1	1	1	1	1	1
32	Is there industrial land use within riparian buffer?	Yes	1	1	1	1	1	1	1
33	Is NPDES stormwater permit required for industrial areas?	No	1	1	1	1	1	1	1
34	Are voluntary water quality protection plans in place for each industrial area?	No	1	1	1	1	1	1	1
35	Are there livestock present?	Yes	1	0	1	0	0	1	0
36	Is there livestock confinement present?	Yes	1	0	1	0	0	1	0
37	Is each confined livestock facility registered with KDHE?	Yes	0	0	0	0	0	0	0
38	Are any row crops (corn, milo, soybeans) present?	Yes	0	0	1	1	0	1	0
39	Are water quality protection plans in use for each row crop production?	No	0	0	1	1	0	1	0
40	Are any orchards present?	No	0	0	0	0	0	0	0
41	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
42	Is there any small grain (wheat, oats, barley) production?	Yes	0	0	1	1	0	1	0
43	Are water quality protection plans in use for each small grain production?	No	0	0	1	1	0	1	0
44	Are there unsewered developments (concentrations of lagoons or septic systems) present in Zone B?	No	0	0	0	0	0	0	0
45	Is a general watershed water quality protection plan in use?	Yes	0	0	0	0	0	0	0
46	Are any point source discharges within 16 miles upstream of intake?	Yes	0	0	0	0	0	0	0
47	Is pretreatment required at any of the point sources?	No	0	0	0	0	0	0	0

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## **Site Comments:**

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

# Site Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Comments for Unregulated Sites

Potential Contaminant Site No.	Site Comments	Author
193539	Replaced former Vet. Clinic	James Wendell
193539	This facility is now a print shop.	James Wendell

## Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Clemence, Jon M.	2002311	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Cox, Fred, Jr.	2001194	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Heimer Bros.	2000367	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher

## Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Odell, Ronald	2000745	This swine facility has no groundwater monitoring.	Nicole Fisher
Roe, Steve	2001520	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Shields, Dennis	2000887	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Short, John "Chris"	2001929	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Toll Farms	2002202	This cattle livestock facility has no water quality protection plans.	Nicole Fisher

## Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments
------------------------------

## Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Apco, Swanson's Service	3000116	The site is closed from a gasoline leak in 1994. There was a slight odor in excavation hole at 14 feet. No groundwater contamination suspected.	Nicole Fisher
Builder Inc	3001434	This site is closed from a leak in a storage tank in 1990. No groundwater contamination was suspected.	Nicole Fisher
Collingwood Grain, Marquette (westside)	3000826	The site is currently being monitored from gasoline leak in 1989. There is a PWS within .25 miles downgradient from the site. For more information please contact Trevor Flynn (785) 296-0699	Nicole Fisher

## Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Dala Mart	3001596	The site is closed from contamination in 1996. The tanks were removed and no groundwater contamination was suspected.	Nicole Fisher
Mid Kansas Coop, Lindsborg	3000289	The site is active from a gasoline and diesel leak in 1998. Contamination was present in excavation site but no groundwater contamination was suspected.	Nicole Fisher
Mid Kansas Coop, Lindsborg	3002322	The site is closed from a diesel spill in 1999. No groundwater contamination was suspected.	Nicole Fisher
Petersen Oil	3000274	The site is currently being monitored from a gasoline leak in 1995. There are several domestic water supplies within .25 miles downgradient of the contamination.	Nicole Fisher

## Comments for Regulated Identified Contaminated Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
COLUMBIA INDUSTRIES, INC., LINDSBORG	7000782	The site was contaminated with the heavy metal chromium from an illegal discharge behind the plant to an open field. The plant was investigated and the situation has been resolved.	Nicole Fisher

## Comments for Regulated Solid Waste Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
City of Lindsborg	5000709	This is a composting facility.	Nicole Fisher
City of Lindsborg	5000784	This is a composting facility.	Nicole Fisher

## Comments for Regulated Waste Water Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
LINDSBORG MWTP	6001740	This facility frequently discharges water with contaminants that are within the recommended levels.	Nicole Fisher
MARQUETTE	6001745	This facility rarely discharges water but when it does the water frequently contains elevated levels of effluent biochemical oxygen demand into the Smoky Hill River.	Nicole Fisher

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### **Added Site Comments:**

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.



# Added Site Comments

Public Water Supply: **SALINA, CITY OF**

Assessment Area: **804**

## Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
001	9001666	This is the correct location of well #1 which was not on the map.	Nicole Fisher
Fuel, grain and feed and hay storage	9001527	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001663	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001665	This site could contaminate the public water supply.	Nicole Fisher
Printing Company	9000095	Change of facility use. Not listed in existing potential contamination sources.	James Wendell
abandoned water well	9000288	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
alfalfa field	9000290	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
cropland	9001526	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001664	This site could contaminate the public water supply.	Nicole Fisher
discharging lagoons	9001668	This site could contaminate the public water supply.	Nicole Fisher

## Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
grain storage bins	9000306	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
irrigated and dryland cropland	9000272	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
irrigated and dryland cropland	9000282	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
irrigated and dryland cropland	9000285	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
irrigated and dryland cropland	9000308	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
milo field	9000289	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
mobile home court	9001400	Although septic system for the park is apparently not a public sewage system, the close proximity and possible volume lends it t	Jo Funk
on-site wastewater facility	9000305	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
on-site wastewater facility	9000309	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
pastureland	9001674	This site could contaminate the public water supply.	Nicole Fisher
pastureland with cattle	9000287	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
pastureland with cattle	9000291	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher

## Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
pastureland with cattle	9000307	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
rural residences	9001525	This site could contaminate the public water supply.	Nicole Fisher
sand pit	9000286	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
small animal feedlot	9000310	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**  
Diversion Id's: **999**  
Status: **Accepted**  
Submit Date: **2003-01-31 09:12:36**

## **Analysis Question Comments:**

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

# Analysis Question Comments

Public Water Supply: **SALINA, CITY OF**  
Assessment Area: **804**

## Comments for Analysis Questions

Analysis Question	Question Comments	Author
Is each confined livestock facility registered with KDHE?	It is unknown if any livestock operation in this zone may be operating without permit.	James Wendell
Is pretreatment required at any of the point sources?	No Industrial uses at this source.	James Wendell
Are any row crops (corn, milo, soybeans) present?	Unknown	James Wendell
Are water quality protection plans in use for each row crop production?	Unknown	James Wendell
Is there any small grain (wheat, oats, barley) production?	Unknown	James Wendell
Are water quality protection plans in use for each small grain production?	Unknown	James Wendell
Are all riparian buffers vegetated?	Unknown	James Wendell
Are voluntary water quality protection plans in place for each industrial area?	Unknown	James Wendell